

# MixLight



[www.m-live.com](http://www.m-live.com)

## QUICK START GUIDE USER MANUAL





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## WARNINGS

### Connecting to the mains

Before connecting the external power adapter to the mains, make sure the voltage is the same as the one indicated (max tolerance  $\pm 10\%$ ). Only use the power adapter provided or a replacement one with identical technical characteristics; otherwise the equipment could malfunction or you could damage it.

### Connections, switching it on and off

Ensure the equipment is switched off before making any connections. Only switch the equipment on and off when the audio amplifier is off.

### Connecting to a computer

When MIXLIGHT is connected to a computer via USB, it is automatically recognised as a dual audio/MIDI device, without installing any proprietary software.

The names used for the devices are MIXLIGHT1 and MIXLIGHT2, which correspond to the two internal generators. However, the name can change depending on the operating systems or applications used.

E.g. On Windows XP, it is indicated with the name USB Speaker.

### Protection and maintenance

Avoid prolonged exposure to direct sunlight, intense heat sources, strong vibrations, particularly humid or dusty environments, or rain, as these can cause malfunctions, deterioration and even electrical shock. Use a dry soft cloth or a brush to remove any dust; never use alcohol, acetone or other solvents. No other maintenance is required.

### In case of failure

All adjustments for using the equipment are external and easily accessible. Access to internal parts can cause electric shock and should only be carried out by skilled and authorised staff. In case of failure, contact the M-LIVE Technical Support - e-mail: [assistenza@m-live.com](mailto:assistenza@m-live.com).

### Documentation

You can find updates or other services at [www.m-live.com](http://www.m-live.com).

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## PRESENTATION

**MIXLIGHT** is an innovative product housing three separate devices that interact perfectly.

**MIXLIGHT** includes: a MIDI Expander with Audio Card and 848 sounds, a 6-channel digital Mixer (4 mono + 1 stereo) + 2 channels for the internal backing tracks and two balanced outputs, Multi-effect with Semiparametric Equalizer, a 4 Voices Harmonizer with MIDI control or auto chorus generation.

When connected to the Computer, it is able to record on Audio Software, Cubase type.

**MIXLIGHT** plays backing tracks when connected to a PC or Tablet, and it has Audio Card features. Performance can be mixed and recorded directly on a PC via the simple USB connection.

You can also connect a keyboard and use the **MIXLIGHT** soundbank to play live.

It is perfect for singers and small bands that support their performance with backing tracks.

Each of the three sections of **MIXLIGHT** and how to use them together will be explained in detail on the next pages.

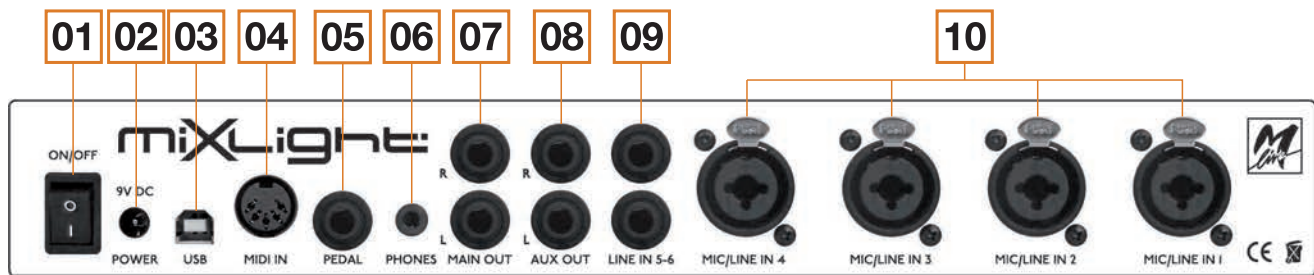
### Have fun!

### M-Live

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## BACK PANEL CONNECTION



### 01\_ON/OFF:

Power On/Off

### 02\_9V DC-POWER:

Power socket (use the standard M-Live power adapter provided).

### 03\_USB:

USB input for using MIXLIGHT as an expander and/or audio card with a PC or MAC [page 13], for updating the machine's firmware [page 15] and for recording with a dedicated software on the PC using the MIDI generator and the MIXLIGHT audio card [page 15].

### 04\_MIDI IN:

MIDI IN interface for DIN 5-pin connector. For using MIXLIGHT as an expander for an external instrument or a MIDI Master Keyboard.

### 05\_PEDAL:

For connecting a normally open pedal with a Jack. The Harmonizer can be enabled and disabled using the pedal.

### 06\_PHONES:

STEREO MINI-JACK HEADPHONES AUDIO OUTPUT. For connecting headphones with a mini-Jack. The audio output volume is adjusted with the "VOLUME AUX" slider on the front panel.

### 07\_MAIN OUT:

STEREO BALANCED JACK MAIN AUDIO OUTPUT. For audio connection (in mono or in stereo) with Jacks. The audio output volume is adjusted with the "MAIN" slider on the front panel.

### 08\_AUX OUT:

STEREO BALANCED JACK INDICATOR AUDIO OUTPUT. These outputs called Auxiliaries, when live, are mainly used to send the signal to the monitor (or indicators) via Jack plugs. The output audio volume is adjusted with the slider on the front panel and is a copy of the output signal from the Main Out.

### 09\_LINE IN 5-6:

STEREO JACK LINE INPUTS. For connecting external devices in mono or in stereo (musical instruments, audio peripherals, etc.) with a Jack with line impedance. The Volume, Pan-pot and Equalization of these line inputs are controlled by analogue and digital adjustments on the front panel.

### 10\_MIC/LINE IN:

MONO JACK 3-PIN/COMBO XLR CONNECTOR. This can be used to connect microphones (including condensor) with an XLR connector or line impedance devices with a Jack. The Volume, Pan-pot, Equalization, Effects and Gain of the 4 channels are controlled by analogue and digital adjustments on the front panel.

## FRONT PANEL



### 11\_GAIN

The input volume of lines 1-4 can be adjusted with this potentiometer. Turn the potentiometer right to increase the GAIN opening, left to decrease it. An excessively open GAIN can disturb the signal, an excessively closed one gives a low volume. The right GAIN adjustment returns a clean output sound. Signal level feedback is indicated at the top of the display when you press "SELECT" relating to the "MONO IN" input you wish to see.



### 12\_PAN-POT:

This potentiometer works independently on each of the MIXLIGHT audio channels.

The Pan-pot moves the audio signal of the reference channel to the right or left of the stereo panorama. Turn the potentiometer right to move the signal to the right speaker and vice versa.

### 13\_SELECT (MONO IN):

This gives access to the equalization management screen (HI - MID - LO - HI FRQ - MID FRQ - LO FRQ - Q MID) and settings (Compressor, Noise Gate, Phantom) of the microphone input selected.

**14\_SELECT (STEREO IN):**

This gives access to the equalization management screen (HI – MID – LO - HI FRQ – MID FRQ – LO FRQ - Q MID) of the 5-6 stereo inputs.

**15\_SELECT (USB IN/AUDIO):**

This gives access to the equalization management screen (HI – MID – LO - HI FRQ – MID FRQ – LO FRQ - Q MID) of the audio music and to the virtual "REC IN" potentiometer for adjusting the input recording volume on a PC or MAC.

**16\_SELECT (USB IN/MIDI):**

This gives access to the equalization management screen (HI – MID – LO - HI FRQ – MID FRQ – LO FRQ - Q MID) and to the "expander" and "master" settings.

**17\_ENTER:**

Used to select a control, a setting or a value.

**18\_DEL/REV:**

Output of the Delay and Reverb effects can be controlled with these potentiometers.

**19\_ALPHA DIAL:**

Used to edit the value of the parameter selected and to change the preset in use.

**20\_SMOOTH:**

Lowers the music volume in real time and resets the effects while maintaining the microphone volume.

**21\_SPECIAL EFX-LINE 1:**

These special effects can be used on line 1. When one of these effects is selected, a red light will be shown at the bottom of the display next to that effect.

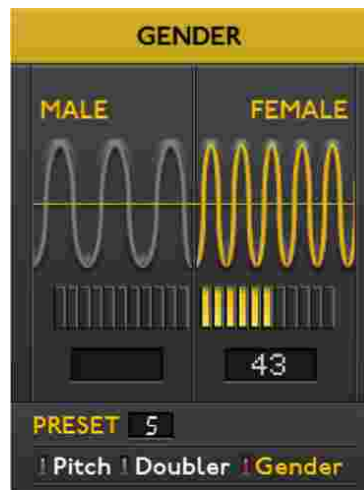


There are 3 of these Special EFX:

**PITCH:** Press this button to activate a special effect that quantizes the pitch of the main voice.

**DOUBLER:** Press this button to activate the effect that doubles your voice.

**GENDER:** Press this button to activate the effect that allows you to have a more feminine or more masculine voice. Turn the Alpha Dial right for a more feminine voice, to the left for a more masculine voice. The value is automatically saved and applied when the feature is activated again .



**22\_HARMONIZER:**

The Harmonizer can be used on line 1. Press this button to activate the effect that creates a choral backing (harmonization) to your voice and to display the screen for managing this effect.

**23\_UP/DN:**

This is used to move the cursor up and down the display.

**24\_VOLUME MAIN:**

Slider for general volume control (balanced TRS general audio output)

**25\_VOLUME AUX/HEADPHONES:**

Slider for AUX (indicator light) and/or headphones volume control.

## MAIN SCREEN: AUDIO OUTPUT



When MIXLIGHT is switched on, the “AUDIO OUTPUT” screen is displayed by default.

The following are displayed on this screen:

- VU-Meter: The VU-Meter is the graphic indicator that signals the audio level. If the LEDs turn red, the maximum intensity has been exceeded and there is a possibility of distortion.
- PRESET: Indicates the selected and active preset.
- EFX: Press “ENTER” to access the effect management menu.
- Pitch - Doublor - Gender: When one of these effects is selected with the buttons on the front panel, the LED next to the name of the effect turns red.

## TWO WAYS OF USING MIXLIGHT

The Equalization (“Select” button) and Effects (“Enter” button) parameters can be edited and saved on MIXLIGHT in two ways:

- NO PRESET
- PRESET

### ■ "NO PRESET" MODE

MIXLIGHT is set by default on “NO PRESET” mode. In this mode, the Equalization and Effects settings are stored in the memory by MIXLIGHT. When MIXLIGHT is switched on again, the Effects and Equalization will be the same as those used in the previous session. Every change to Equalization and Effects is immediately saved.

### ■ "PRESET" MODE

In “PRESET” mode, the equalization and effects configuration of a preset can be saved. You can program 9 presets, to be used when you wish.

## WHAT IS A PRESET?

A preset (or scenario) is an equalization and effects configuration (reverb, delay, harmonizer) saved on the machine, which can be recalled whenever you want. 9 different presets with different combinations of equalization and effects can be set on MIXLIGHT. An equalization can be set for each line input, one for the midi bases and one for the audio bases.

Adjustments to the effects (reverb, delay) are applied to all microphone inputs, but on each of them the output can be adjusted with the potentiometers.

Adjustments to the Harmonizer effect are only applied to microphone 1, its output can be adjusted with the potentiometer next to the “HARMONIZER” button.

## SELECT PRESET

To select a preset, turn the Alpha Dial on the main screen (AUDIO OUTPUT) to the right or left, or press the “UP” and “DN” buttons.

The “SELECT PRESET” screen is displayed.



You can scroll through the list of 9 presets available with the “UP” and “DN” buttons.

To select a preset, go on the one you want and press the “ENTER” button.

The preset selected turns red.

From this moment on, MIXLIGHT will use the preset selected.



PLEASE NOTE: When MIXLIGHT is switched on again, by default it will use the last preset selected. To select the NO PRESET mode, select the relative entry on this screen.

## LINK A PRESET WITH "PRESET EFX" BUTTONS

From the 9 presets available, 3 of them can be linked to the 3 "PRESET EFX - LINE 1-4" buttons on the front panel.

The use of buttons facilitates live performance.

You can instantly switch from one preset to another by pressing the button of the desired preset.



To link a preset to a button, access the "SELECT PRESET" screen as explained in the previous paragraph.

Scroll through the list with the "UP" and "DN", buttons, go on a preset and press the "PRESET EFX - LINE 1-4" button on the front panel to which it is to be linked.

The number of the button linked will be displayed next to the preset.



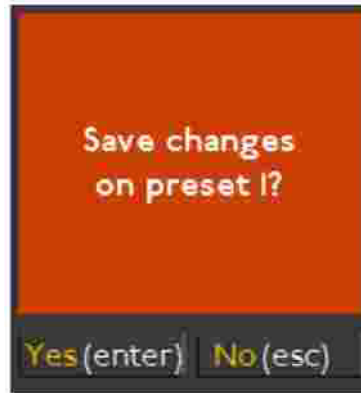
## SAVE PRESET DATA

The first step is to select the preset on which you want to save your equalization and effects configuration.

As explained in the "SELECT PRESET" paragraph [page 8], open the "SELECT PRESET" screen and select the preset by pressing "ENTER".

Now you can set the equalization for the audio lines and the backing tracks ("EQUALIZATION" paragraph, [page 10]) and the effects for the microphone inputs ("EFFECTS" paragraph [page 10], "HARMONIZER MANAGEMENT" paragraph [page 11]).

The following message is displayed when you press "ESC" to exit an equalization or effects screen:



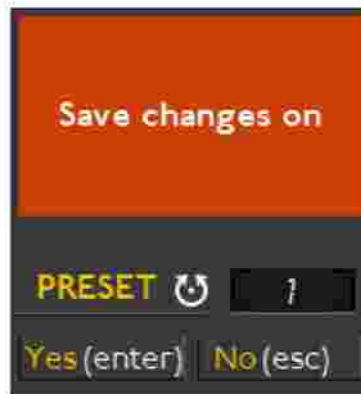
Press "ENTER" to confirm that you want to save the configuration in the preset that was selected.

Press "ESC" to confirm that you want to cancel the configuration.

## HOW TO COPY THE PRESET

With MIXLIGHT you can copy a preset. A copy can be made either in "NO PRESET" mode or in "PRESET" mode.

On any screen, if you press and hold the "ENTER" button for 2 seconds a message is displayed asking if you wish to copy the current active configuration:



Turn the Alpha Dial to choose in which preset you wish to save the adjustments and press "ENTER" to confirm. Press "ESC" to cancel.

This feature is especially interesting if you have set a particularly impressive adjustment in "NO PRESET" mode. Follow the procedure above to immediately save this configuration to a preset.

If you are in "PRESET" mode, you can copy the preset currently in use to another preset. Afterwards, you can alter the equalization and effects of the copied preset if necessary.



## EQUALIZATION

With MIXLIGHT you can equalize 4 microphone inputs (line 1-4), the stereo input (line 5-6), the midi base (MIDI) and the Mp3 base (AUDIO).



Press the "SELECT" button for the Channel to be equalized and access its management screen.

Example: "LINE 1"



Use the "UP" and "DN" buttons to go on to the parameters you wish to edit and turn the Alpha Dial to alter the value. Turn the Alpha Dial to the right to increase the gain and to the left to decrease it.

The parameters and gain ranges for each line are:  
HI-MID-LO: -15 dB / 15 dB.  
LO FRQ: 100 / 700 Hz.  
MID FRQ: 500 Hz / 4000 Hz.  
HI FRQ: 2000 Hz / 15000 Hz.

Scrolling downwards, the last string displayed shows the active preset.



If you are in "PRESET" mode and you want to save the equalization adjustments, press "ESC" to exit the equalization management page.

A dialogue box appears asking if you wish to save the changes on the selected preset (See Page 9 "SAVE PRESET DATA")

If you are in "NO PRESET" mode, MIXLIGHT will automatically keep any changes made, even when switched on again.

## EFFECTS

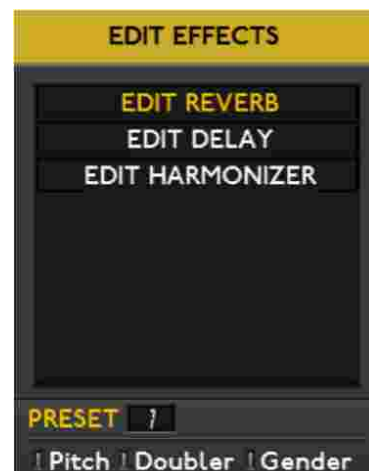
With MIXLIGHT you can adjust the reverb, delay and Harmonizer settings and create the configuration that best suits your needs and musical tastes.

The reverb and delay adjustments are applied to the 4 microphone inputs and the output of the effects can be adjusted with the potentiometers on the front panel of the MIXLIGHT.



The Harmonizer adjustments are applied to microphone input 1 and the output of the effect can be adjusted with the potentiometer on the front panel of the MIXLIGHT. To access the effects editing screen, press "ENTER" on the main screen (AUDIO OUTPUT).

The "EDIT EFFECTS" screen is displayed:



There are 3 effects on which you can work on. Scroll through the list of effects you can edit with the “UP” and “DN” buttons. Press “ENTER” to access the management page of the effect you wish to edit.

*PLEASE NOTE: These effects can be saved on a preset.*

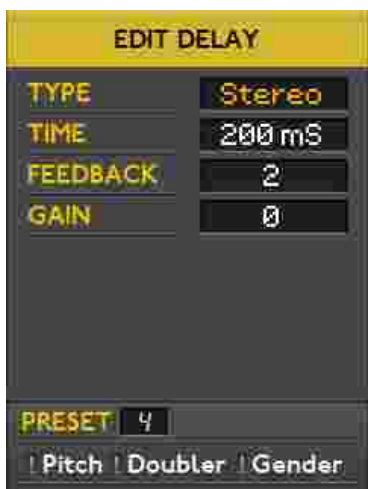
■ **"EDIT REVERB" SCREEN**

On this page you can choose the reverb (TYPE) and work on the TIME-PREDELAY-LOW CUT-TONE-GAIN parameters. To edit a parameter, simply go on it and turn the Alpha Dial.



■ **"EDIT DELAY" SCREEN**

On this page you can choose the delay (TYPE) and work on the TIME-FEEDBACK-GAIN parameters. To edit a parameter, simply go on it and turn the Alpha Dial.



■ **"EDIT HARMONIZER" SCREEN**



The “HARMONIZER” effect is only active on microphone 1.

Management of this effect is described in the “HARMONIZER MANAGEMENT” paragraph on page 11.

The bottom string on each edit page indicates which preset is active.



If you are in “PRESET” mode and you want to save adjustments to the effects, press “ESC” to exit the effects management page.

A dialogue box appears asking if you wish to save the changes on the selected preset. (See Page 9 "SAVE PRESET DATA")

If you are in “NO PRESET” mode, MIXLIGHT will automatically keep any changes made, even when switched on again.

**HARMONIZER MANAGEMENT**

The Harmonizer allows you to create a choral backing to your voice, adding more identical sounds at different frequencies to the original sound.

Choral backing interludes are not random but are “harmonic” to the reference note being sang.

MIXLIGHT creates choral backing of up to 4 voices that overlap the singer’s voice on microphone input 1.

The MIXLIGHT Harmonizer works in two ways for vocal chord generation:

- a. Driven by MIDI FILE or by a MIDI message from a Master Controller (keyboard or other).
- b. Driven by the Voice.

Driven by MIDI: a MIDI source (Midi File in MIDI Harm MODE or Midi Keyboard in KEY Harm MODE) sends NOTE ON/OFF messages with the notes of the vocal chord to the Harmonizer.

Driven by the voice: the Harmonizer analyses the note you are singing and generates voices according to a predetermined interlude.

Press the "HARMONIZER" button to activate the Harmonizer and to open its management pages.



ON/OFF activation can also be controlled with the pedal. When the Harmonizer is active, the LED is on. When it is not active, the LED is off.

The "EDIT HARMONIZER" screen is displayed:



Use the "UP" and "DN" buttons to move between the entries on the display.

The Harmonizer works depending on the MODE selected. Turn the Alpha Dial to choose the MODE you want to use and press "ENTER" to confirm.

*PLEASE NOTE: The "EDIT HARMONIZER" page can also be opened as explained in the "EFFECTS" paragraph on page 10.*

### There are 8 MODES available:

#### ■ MIDI Harm

In "MIDI Harm" MODE, choral backing automatically joins in following a track specially programmed in the Midi File. The M-Live backing tracks contain this special track (Midi 5 Ch.) that determines the harmonisation interludes and the exact points in which the choral backing must join in.

**WARNING:** In order to use the "MIDI Harm" MODE, there must be a track containing harmonised choral backing in the Midi File. The M-Live backing tracks available at [www.songservice.it](http://www.songservice.it) include the Harmonizer track on midi 5 channel.

For the "MIDI Harm" MODE, the "OCTAVE" and "TRACK" parameters are also active:

**OCTAVE:** for setting the reference octave of the choral backing from -2 to +2. To edit the octave, use the "UP" and "DN" buttons to go on to this entry and turn the Alpha Dial.

**TRACK:** for selecting the track that contains the harmonised choral backing harmonies. On the M-Live backing tracks the harmonies are programmed in track #5.

By default this value is set on track #5.

To edit this value, go on to the "TRACK" entry and turn the Alpha Dial.

For the other MODES, these two parameters will be displayed but will not be active.

#### ■ KEY Harm

In this MODE, automatic harmonised choral backing is controlled by a keyboard or other Midi controller connected to the MIXLIGHT via "MIDI IN".

The notes played on the external keyboard are sent to MIXLIGHT, which will then recreate them as choral backing to the singer's voice on microphone input 1. In "KEY Harm" MODE, choral backing can join in as and when required by the player, who will control them by playing the chord on the keyboard or other Midi controller. The Harmonizer can be switched on/off with the "HARMONIZER" button on the front panel or with the pedal. Then use the On-Off Pedal to activate start and stop of the vocal harmonisation.

When the pedal is pressed, the notes that are played on the connected keyboard (on any MIDI channel) drive the Harmonizer's voices.

You do not need to set a specific Midi channel in the Midi controller connected to the MIXLIGHT because the Harmonizer receives on Any Channel.

#### ■ Unison 2 up

This MODE creates automatic harmonisation from your voice, which will be the chord tone.

MIXLIGHT creates a HIGHER octave unison 2-voice harmonisation on your voice.



It can be switched on/off with the “HARMONIZER” button on the front panel or by holding the pedal down.

### ■ Unison 2 dn

This MODE creates automatic harmonisation from your voice, which will be the chord tone.

MIXLIGHT creates a LOWER octave unison 2-voice harmonisation on your voice.

It can be switched on/off with the “HARMONIZER” button on the front panel or by holding the pedal down.

### ■ Unis 1 up + 1 dn

This MODE creates automatic harmonisation from your voice, which will be the chord tone. MIXLIGHT creates a 2-voice harmonisation on your voice, one HIGHER octave and one LOWER octave.

It can be switched on/off with the “HARMONIZER” button on the front panel or by holding the pedal down.

### ■ Detuned 2

This MODE creates automatic harmonisation from your voice, which is the chord tone.

There are 2 voices, one slightly lower and one slightly higher with respect to your voice. This type of harmonisation can be defined as a desired detune or glissando.

### ■ Detuned 4

This MODE creates automatic harmonisation from your voice, which is the chord tone.

There are 4 voices, 2 slightly lower and 2 slightly higher with respect to your voice.

This type of harmonisation can be defined as a desired detune or glissando.

### ■ Jazz

This MODE creates automatic harmonisation from your voice, which will be the chord tone.

MIXLIGHT creates a 3-voice harmonisation on your voice with a third/fifth/seventh interlude. It can be switched on/off with the “HARMONIZER” button on the front panel or by holding the pedal down.

## USING MIXLIGHT AS A PC EXPANDER AND MASTER KEYBOARD

If you wish to use MIXLIGHT as a PC Expander with Windows or MAC operating system, you will need to connect the MIXLIGHT USB port to the USB port on the PC or MAC.

USB connection is on the back of the device.



When MIXLIGHT is connected to a computer via USB, it is automatically recognised as a dual audio/MIDI device, without installing any proprietary software. The names used for the devices are MIXLIGHT1 and MIXLIGHT2, which correspond to the two internal generators.

However, the name can change depending on the operating systems or applications used.

E.g. On Windows XP, it is indicated with the name “USB Speaker”.

Press “SELECT” on the “MIDI” line to open the screen.



Press “DN” to scroll down the display onto “MIDI IN”. Now turn the Alpha Dial and set the “Expand.” mode.

To use it with a Master Keyboard, connect the “MIDI IN” on the MIXLIGHT to the “MIDI OUT” on the Master Keyboard.

The “MIDI IN” connection is on the back of the MIXLIGHT.

Now you can set the Master Keyboard with the MIXLIGHT sounds.



MIDI IN

Press “SELECT” on the “MIDI” line to open the screen.



Press "DN" to scroll down the display onto "MIDI IN".

Now turn the Alpha Dial and set the "Master" mode.

Press "ENTER" to access the Master Keyboard management screen. The "EDIT MASTER" screen is displayed:



The top string indicates the name of the instrument currently in use.



Below are the management parameters.

"PROGR.IBANK" contains the list of sounds. For every sound you can adjust the VOLUME, REVERB, CHORUS, PAN and TRANSPOSER by going on the relative entry and turning the Alpha Dial.

To select a sound to be assigned to the Master Keyboard, go on "PROGR.IBANK" and press "ENTER".

This will display the families of instruments.



Go on the family of instruments you want and press "ENTER".

Now you will see all of the individual sounds for that particular family of instruments.



To select the sound you want to use on your Master Keyboard, simply go on it and press "ENTER".

If you wish to use your Master Keyboard to set the track sounds and parameters, you need to set MIDI IN in "Expand." mode and not in "Master" mode.

No particular MIDI IN channel is activated on the keyboard because MIXLIGHT receives on all channels.

## RECORDING

MIXLIGHT is a MIDI expander and audio card for playing backing tracks and recording with a dedicated Software on a Windows PC and MAC.

Connect MIXLIGHT to the PC with a USB cable. The PC will recognise 3 available connections:

- Dual MIDI OUT port: for using MIXLIGHT as a MIDI expander. The names used for the devices are MIXLIGHT1 and MIXLIGHT2, which correspond to the two internal generators. However, the name can change depending on the operating systems or applications used.
- Audio OUT port: for using MIXLIGHT as a USB Audio card with 1 stereo channel.
- Audio IN port: where MIXLIGHT copies the Output audio signal (microphone, EFX and music).

The audio and MIDI signal from the PC is transmitted to MIXLIGHT, processed by the MIDI generator and/or by the MIXLIGHT audio card and retransmitted to the PC. The same audio that you would have in the general audio output of MIXLIGHT is transmitted to the PC input. To adjust the recording volume on MIXLIGHT, press "SELECT" on the "AUDIO" line.

This screen is displayed:



Press "DN" to scroll down the display onto the virtual "REC IN" potentiometer.

Turn the Alpha Dial to the right or left to increase or decrease the input recording volume.

## UPDATING THE FIRMWARE

The MIXLIGHT Firmware can be updated if necessary. To update MIXLIGHT, you can find the procedure and details on how to reprogram the machine at [www.m-live.com](http://www.m-live.com), in the "Support" section of MIXLIGHT. The device is updated using the USB connection.

## RESTORING FACTORY SETTINGS

When the machine is started, press "ESC" and hold down for 5 seconds to display confirmation that the factory settings have been restored. Press "ENTER" to confirm and the machine will be restored.

**SOUNDS**

PC	CC00	SOUND NAME
001	0	<b>Stereo Grand Piano</b>
	2	Mono Grand
	98	Pianovox 2
	99	Piano & Strings
002	0	<b>Stage Ac. Piano</b>
	98	Pianovox 1
	99	Pianopad
003	0	<b>El. Grand Piano</b>
	98	Chip 80 Atmos
	99	Bass & Piano
004	0	<b>Honky-Tonk</b>
	99	Latin Piano
005	0	<b>Stage El. Piano</b>
	1	El. Piano
	8	Detuned El.Piano 1
	9	Soft El.Piano
	16	Fm+Sa El.Piano
	24	Wurlt
	32	Hard Rodex
	40	Rodex
	48	60's El.Piano
	99	Electric Mood
006	0	<b>El. Fm Piano</b>
	8	Detuned El.Piano 3
	9	Detuned El.Piano 2
	16	Fm Soft El.Piano
	24	Hard Fm Ep
	32	El. Piano 3
	99	Fm & Pad
007	0	<b>Harpisichord</b>
	8	Coupled Harpsi
	99	Harpstrings
008	0	<b>Clavinet 1</b>
	1	Clavinet 2
009	0	<b>Celesta</b>
010	0	<b>Glockenspiel</b>
011	0	<b>Music Box</b>
012	0	<b>Vibes</b>
	1	Vibraphone
013	0	<b>Marimba</b>
	8	Balafon
014	0	<b>Xylophone</b>
015	0	<b>Tubular Bells</b>
	8	Church Bell
	9	Carillon
016	0	<b>Santur</b>
017	0	<b>Drawbar Organ</b>
	8	Detuned Organ 1
	9	Ham 109 Organ

PC	CC00	SOUND NAME
	16	60's Organ
	24	Pedal Bass Organ
	32	Even Bar
018	0	<b>Percussive Organ</b>
	1	Organ 2
	8	Detuned Organ 2
	9	Jazz Organ
	16	Detuned Organ 3
	24	Jazz Vib Organ
019	0	<b>Rock Organ</b>
	1	Organ 3
	8	Rotary Organ Switch
	16	Rotary Organ Perc.
	24	Rotary Organ Fast
	99	Organizer
020	0	<b>Church Organ Tutti</b>
	1	Church Organ 1
	8	Church Organ 2
021	0	<b>Reed Organ</b>
022	0	<b>Fisa Musette</b>
	1	French Accordion
	8	Master Fisa
	16	Italian Accordion
	99	Folk Lead
023	0	<b>Harmonica 1</b>
	1	Harmonica 2
	8	Electric Harmonica
024	0	<b>Bandoneon 1</b>
	1	Bandoneon 2
	8	Bandoneon 3
025	0	<b>Classic Guitar</b>
	1	Nylon Live Guitar
	2	Nylon Guitar
	8	Ukulele
	9	Veloharmnix
	16	Nylon Gt.O
026	0	<b>Steel Live Guitar</b>
	1	Steel Guitar 1
	2	Steel Strummed Guitar
	3	Steel Live Guitar Rel.
	5	Steelstrings Guitar
	8	12-Strings Guitar 1
	9	12-Strings Guitar 2
	16	Mandolin
	24	Steel Guitar 2
	32	Steel Guitar 3
	40	Nylon + Steel
027	0	<b>Jazz Guitar 1</b>
	1	Jazz Guitar 2

PC	CC00	SOUND NAME
	8	Hawaiian Guitar
028	0	<b>Clean Live Guitar</b>
	1	Clean Guitar 1
	8	Chorus Live Guitar
	16	Chorus Guitar
	24	Clean Guitar 2
	99	Clean Pad
029	0	<b>Muted Guitar 1</b>
	1	Muted Guitar 2
	8	Funk Guitar
	16	Chorus Funk
	24	Funky Okytar
030	0	<b>Overdrive LP Guitar</b>
	2	Overdrive Guitar 1
	8	Overdrive Guitar 2
031	0	<b>Distorted Live Guitar</b>
	1	Distorted Guitar 1
	2	Distorted Guitar 2
	3	Heavy Distorted Guitar
	8	Feedback Guitar 1
	16	Power Chords
032	0	<b>Distorted Harmonix</b>
	1	Feedback Guitar
	8	Feedback Guitar 2
	16	Ac. Guitar Harmonix
033	0	<b>Acoustic Live Bass</b>
	1	Acoustic Bass
	2	Acoustic Bass Release
034	0	<b>Electric Bass</b>
	1	Fingered Bass 1
	2	Fingered Okybass
	8	Fingered Bass 2
	16	Dynamic Bass 1
	24	Dynamic Bass 2
	32	Liscibass
035	0	<b>Picked &amp; Hybrid</b>
	1	Picked Okybass
036	0	<b>Fretless Bass</b>
	1	Fretless Bass 2
037	0	<b>Slap Live Bass</b>
	8	Slap Bass 1
	16	Slap Bass 3
038	0	<b>Slap Bass 2</b>
039	0	<b>Synth Bass 1</b>
	1	Synth Okybass
	5	Reso Sh Bass
	6	Synth Bass 5
	8	Synth Bass 3
	9	Tb 303 Bass



## SOUNDS

PC	CC00	SOUND NAME
	16	Tekno Bass 1
	24	Tekno Bass 2
	32	Sq 303 Flat
	40	Sq 303 Overdr.
040	0	<b>Rubber Bass</b>
	1	Synbass 201
	2	Modular Bass
	3	Seq Bass
	4	Analogic Bass
	5	Subsonic Bass
	6	Synth Bass 6
	8	Synth Bass 4
	9	Smooth Bass
	16	Synth Bass 2
	24	80's Bass
	32	Sh101 Bass 1
	40	Sh101 Bass 2
041	0	<b>Violin Solo</b>
	1	Violin
042	0	<b>Viola Solo</b>
	1	Viola
043	0	<b>Cello Solo</b>
	1	Cello
044	0	<b>Double Bass</b>
	1	Contrabass
045	0	<b>Tremolo Strings</b>
046	0	<b>Pizzicatostrings</b>
047	0	<b>Orchestral Harp</b>
	1	Mellow Harp
048	0	<b>Timpani 1</b>
	1	Timpani 2
049	0	<b>Stereo Strings</b>
	2	Mono Strings
	8	Ensemble Orch.
	99	Jazzstrings
050	0	<b>Slow St.Strings</b>
	2	Slow Monostrings
051	0	<b>Synth Strings 1</b>
	8	Synth Strings 3
052	0	<b>Synth Strings 2</b>
	1	Synth Section
053	0	<b>Choir St. Aahs</b>
	1	Choir Aahs
	2	Choir Mono Aahs
	8	Real Choirs Vib
054	0	<b>Choir St. Oohs</b>
	1	Choir Oohs
055	0	<b>Synvox Stereo</b>
	1	Synvox

PC	CC00	SOUND NAME
056	0	<b>Orchestra Hit</b>
	8	Impact Hit
	9	Philly Hit
057	0	<b>Trumpet 1</b>
	1	Classic Trumpet
	8	Flugel Horn
	9	Trumpet 2
	16	Mariachi
	24	Bright Trumpet
	32	Sharp Trumpets
	40	Trumpet 3
058	0	<b>Trombone Solo</b>
	1	Dark Bone
059	0	<b>Tuba</b>
060	0	<b>Muted Trumpet Straight</b>
	1	Muted Trumpet 1
	8	Muted Trumpet 2
061	0	<b>Dyn.Frenchhorns</b>
	1	French Horns
062	0	<b>Brass Standard</b>
	1	Octaver Live Brass
	2	Brass Section 1
	8	Brass Section 2
	16	Brass Fall
063	0	<b>Super Synbrass</b>
	1	Synth Brass 1
	8	Synth Brass 3
064	0	<b>Synth Brass 2</b>
	8	Synth Brass 4
065	0	<b>Soprano Sax 1</b>
	8	Soprano Sax 2
066	0	<b>Alto Sax 1</b>
	1	Alto Okysax
	2	Liscio Sax
	8	Hyper Alto Sax
	9	Alto Sax 2
067	0	<b>Tenor Sax</b>
	8	Breathy Tenor
068	0	<b>Baritone Sax 1</b>
	1	Baritone Sax 2
069	0	<b>Oboe</b>
070	0	<b>English Horn 1</b>
	8	English Horn 2
071	0	<b>Bassoon</b>
	8	Bassoon 2
072	0	<b>Clarinet</b>
	8	Bass Clarinet
073	0	<b>Piccolo</b>
074	0	<b>Flute Vibrato</b>

PC	CC00	SOUND NAME
	1	Flute
075	0	<b>Recorder</b>
076	0	<b>Panute Vibrato</b>
	1	Panute
	99	Pan Atmos
077	0	<b>Bottle Blown</b>
078	0	<b>Shakuhaci</b>
079	0	<b>Whistle</b>
080	0	<b>Ocarina</b>
081	0	<b>Dance Square</b>
	1	Square Synwave 1
	2	Square Lead Synth
	8	Sine Wave
	16	Square Synwave 2
082	0	<b>Dance Saw</b>
	1	Saw Synwave
	8	Saw Synwave 2
	16	Hands-Up! Synth
	24	Killer Techno Synth
	99	House Combo
083	0	<b>Syn Calliope</b>
084	0	<b>Chiffer Lead</b>
085	0	<b>Dist.Charang</b>
	1	Charang Gm
086	0	<b>Solo Vox</b>
087	0	<b>5th Saw Synth</b>
088	0	<b>Bass &amp; Lead</b>
089	0	<b>Fantasia Pad</b>
	99	Saxopad
090	0	<b>Warm Stereo Pad</b>
	1	Air Stereo Pad
	2	Warmono Pad
	3	Okywarm Pad
	8	Rotary Strings
	99	Solo & Pad
091	0	<b>Poly Synth Pad</b>
092	0	<b>Space Voice Pad</b>
093	0	<b>Bowed Glass Pad</b>
094	0	<b>Metal Pad</b>
095	0	<b>Halo Pad</b>
096	0	<b>Sweeping Pad</b>
	1	Okysweep Pad
097	0	<b>Ice Rain</b>
098	0	<b>Soundtrack</b>
099	0	<b>Crystal Pad</b>
100	0	<b>Atmosphere</b>
101	0	<b>Brightness</b>
102	0	<b>Goblin</b>
103	0	<b>Echo Drops</b>



SOUNDS

PC	CC00	SOUND NAME
	8	Echo Pan
104	0	Star Theme
105	0	Sitar
106	0	Banjo
107	0	Shamisen
108	0	Koto
	8	Taisho Koto
109	0	Kalimba
110	0	Bagpipes
111	0	Fiddle
112	0	Shanai
113	0	Tinkle Bell
114	0	Agogo
115	0	Steel Drums
116	0	Woodblock
	8	Castanets
117	0	Taiko
	8	Concert B-Drum
118	0	Melodic Toms 1
	8	Melodic Toms 2
119	0	Synth Drums
	8	Tr-808 Toms
	9	El.Percussions
120	0	Reverse Cymbal1
	1	Reverse Cymbal2
	2	White Noise Reverse
	3	White Noise Basic
	4	Turbo Jet
121	0	Gtr. Fret Noise
	1	Gtr. Cut Noise
	2	String Slap
	5	Bass Slide
	6	Pick Scrape
122	0	Breath Noise
	1	Fl. Key Ckick
123	0	Seashore
	1	Rain
	2	Thunder
	3	Wind
	4	Stream
	5	Bubbles
124	0	Bird 1
	1	Dog
	2	Horse Gallop
	3	Bird 2
125	0	Telephone Ring1
	1	Telephone Ring2
	2	Door Creaking
	3	Door Closing

PC	CC00	SOUND NAME
	4	Scratch
	5	Wind Chime 1
	6	Wind Chime 2
126	0	Helicopter
	1	Car Engine Start
	2	Car Breaking
	3	Car Pass
	4	Car Crash
	5	Police Siren
	6	Train
	7	Jet Takeoff
	8	Starship
	9	Burst Noise
127	0	Applause
	1	Laughing
	2	Screaming
	3	Punch
	4	Heart Beat
	5	Footstep
128	0	Gun Shot
	1	Machine Gun
	2	Laser Gun
	3	Explosion

DRUM KIT

PC	CC00	DRUM KIT NAME
1	0	Standard Merish
2	0	Standard 1
2	1	Standard 2
3	0	R&B 1
3	1	R&B 2
4	0	Hip-Hop 1
4	1	Rapper
4	2	Hip-Hop 2
5	0	Okyweb Style
6	0	Standard 3
7	0	Standard 4
8	0	Standard 5
9	0	Room Acoustic
10	0	Room Standard
11	0	Electroacoustic
12	0	80's mood
13	0	Hybrid
14	0	Vintage
14	1	70's Disco
15	0	Soul
17	0	Power Rock
18	0	Power Standard
19	0	Live Rock
25	0	Electronic 1
26	0	Tr-808 Boost
26	1	Tr-808 Standard
27	0	Dance 1
27	1	Dance 2
27	2	Dance 3
28	0	Techno
29	0	Pop Dance
30	0	Electronic 2
31	0	Electronic 3
32	0	Reggaeton
33	0	Jazz 1
34	0	Jazz 2
35	0	Jazz 3
41	0	Brush 1
42	0	Brush 2
49	0	Orchestra 1
49	1	Orchestra 2
50	0	Ethnic 1
51	0	Ethnic 2
54	0	All Bd & Sd
57	0	Sfx Set
128	0	Cm-64/32 Set

## TECHNICAL SPECIFICATIONS

### ■ OUTPUTS

<b>AUDIO OUT</b>	2 L-R audio outputs for balanced mono JACK
<b>AUDIO AUX</b>	2 L-R audio outputs for balanced mono JACK
<b>PHONES</b>	1 headphones output for stereo Mini-JACK
<b>LINE 1..4 MIC / LINE inputs</b>	4 COMBO XLR+Jack. On balanced input XLR connector with microphone impedance. On the line input 6.5 mm JACK input
<b>LINE 5..6 MIC / LINE inputs</b>	Line JACK input

### ■ COMMUNICATION PORTS

<b>MIDI IN</b>	1 DIN 5-Pin
<b>MIDI USB for connection as a MIDI expander</b>	USB Device multiple port (USB 2.0 full speed) a. 2 MIDI OUT interface ports for 16 channels each b. Stereo channel 1 Audio OUT interface c. Stereo channel 1 Audio IN interface
<b>PEDAL</b>	Type n.o. pedal control mono JACK

### ■ GENERAL SPECIFICATIONS

<b>RESPONSE IN FREQUENCY</b>	20 - 20KHz +/-3dB
<b>DISTORTION (THD + noise)</b>	<0,01% 20 - 20KHz
<b>NOISE SIGNAL RATIO</b>	-85dB
<b>POWER SUPPLY</b>	9VDC (+centr) 1200mA
<b>POWER ADAPTER</b>	Input 100-240V AC 50/60Hz Output 9VDC 1800mA

### ■ DIMENSIONS AND WEIGHT

<b>DIMENSIONS</b>	323 x 300 x 50mm
<b>WEIGHT</b>	2,9Kg

### ■ STANDARDS

<b>Compliant with Standard 89/336/EC</b>	on electromagnetic compatibility
<b>Compliant with Standard 89/68/EEC</b>	on CE markings

#### Directive 2002/96/EC | Waste Electrical and Electronic Equipment [WEEE] User Information

Pursuant to Article 13 of the Italian Legislative Decree of 25 July 2005, no. 151 "Actuation of Directives 2002/95/EC, 2002/96/EC and 2003/108/EC, on the restriction of the use of certain hazardous substances in electrical and electronic equipment, and on waste electrical and electronic equipment", this product is compliant.

The crossed-out wheellie bin symbol on the equipment or on its packaging indicates that the product at the end of its service life must be collected separately from other waste.

The user must therefore send the Equipment at the end of its service life to a suitable waste collection centre for Waste Electrical and Electronic Equipment, or return it to the dealer when purchasing a new equivalent product, on a one for one basis. Proper separate collection of the decommissioned equipment for environmentally friendly recycling, treatment and scrapping helps to avoid possible negative effects on the environment and on human health, and favours reuse and/or recycling of the materials comprising the product. Illegal disposal of the product by the user shall entail administrative sanctions provided for under current laws and regulations.

# MiXLight



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